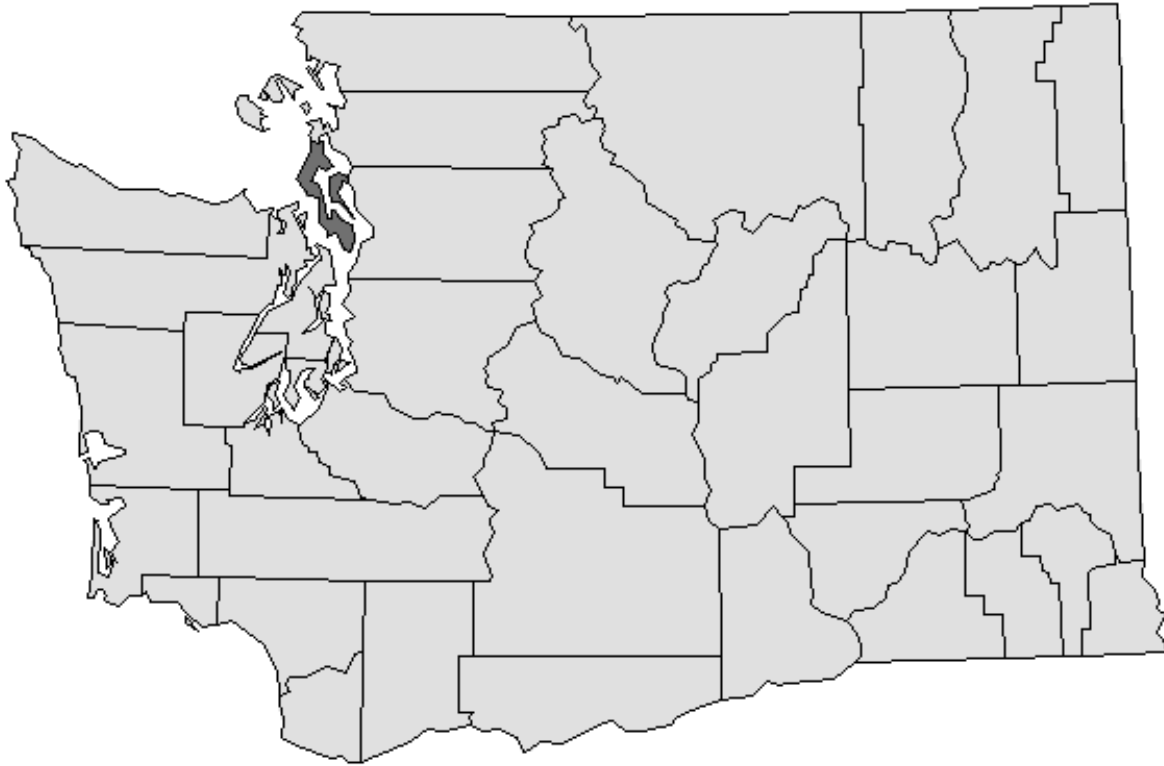


# County Profile of Substance Use and Need for Treatment Services in Island County



**Washington State Department of  
Social and Health Services**

**Division of Alcohol  
and Substance Abuse**

**Research and Data Analysis**

**December 1999  
Revised March 2002**

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- \* Washington Needs Assessment Household Survey
- \* Measures of substance use disorder
- \* Population groups for analysis
- \* Estimates of substance use disorder
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- \* Treatment Assessment Report Generation Tool
- \* Service trends from TARGET database
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- \* Service use by demographics
- \* Comparisons of need and service use



**U.S. DEPARTMENT HEALTH AND HUMAN SERVICES**  
Substance Abuse and Mental Health Services Administration  
Center for Substance Abuse Treatment

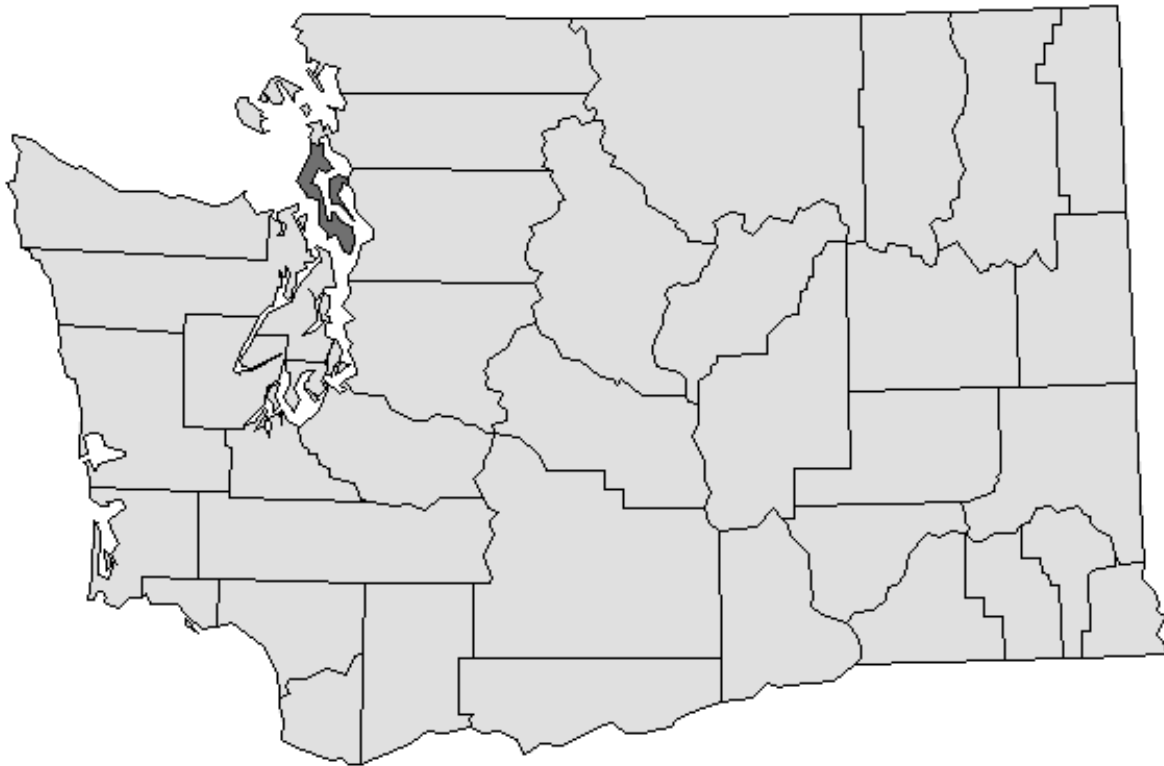
A more expansive version of this report can be found online at:  
<http://psy.utmb.edu/estimation/dasa99/report/drugmenu.htm>

Additional copies of this report may be obtained from the  
Washington State Alcohol/Drug Clearinghouse  
at 1-800-662-9111 (within Washington State) or  
206-725-9696 (within Seattle or outside Washington State),  
by e-mail at [clearinghouse@adhl.org](mailto:clearinghouse@adhl.org)  
or by sending a written request to:

Washington State Alcohol/Drug Clearinghouse  
3700 Rainier Avenue South, Suite A  
Seattle, Washington 98144

**This report, originally published in December 1999, was revised in March 2002. Corrections were made to the percentages cited in the text in the last line on page 5 and to the estimated treatment need and the use/need ratio for the 25-44 age group in Table 8 on page 12.**

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**CSAT**

Center for Substance  
Abuse Treatment  
SAMHSA

Produced under a contract funded by the Center for Substance Abuse Treatment,  
Substance Abuse and Mental Health Services Administration,  
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## ***The Purpose of This Report***

The purpose of this report is to provide local planners and evaluators with information that can be used to compare need for and utilization of substance abuse services in counties and demographic subpopulations. The methods used for these county profiles update and improve upon the analyses presented in the first set of county profiles published in 1996. The new county profiles are also complemented by a more comprehensive report located on the DSHS Internet site which includes more detail on methods and additional breakdowns of results. The shorter county profiles are designed to summarize county-specific information and to be printable for distribution as a paper report. Each county profile provides the following:

- estimates of the demographic characteristics of each county population;
- estimates of substance use, substance use disorder, and need for treatment based on the Washington State Needs Assessment Household Survey (WANAHS);
- service utilization data from the Division of Alcohol and Substance Abuse's treatment assessment database (TARGET); and
- comparisons of need for services and use of services both county-wide and by demographic subgroup

## ***The Washington Needs Assessment Household Survey (WANAHS)***

The WANAHS was a statewide survey of over 7,000 adults designed to measure the prevalence of substance use and need for treatment. It was conducted over a 14-month period from September 1993 through October 1994. Funding was provided by a grant from the Federal Center for Substance Abuse Treatment. The Washington State Department of Social and Health Services (DSHS) Research and Data Analysis (RDA) section conducted the project on behalf of the DSHS Division of Alcohol and Substance Abuse. Telephone interviewing was provided by Washington State University's Social and Economic Sciences Center. The WANAHS sample included large numbers of minorities and other special groups in order to facilitate demographic analyses. The WANAHS sample included approximately equal numbers of interviews with African Americans, Asians, Hispanics, American Indians, and non-Hispanic Whites. Additional samples of people living at or below 200% of the Federal Poverty Level (FPL), rural residents, and women were interviewed adding coverage of important, but sometimes overlooked, populations. The survey instrument had questions about current and past use of or dependence on major drugs of abuse. Further details of the interviewing and survey methods are provided in the more detailed on-line report. Upon weighting the WANAHS sample to match the actual population distribution, the survey provides direct statewide estimates of substance use and as well as the need for substance abuse services. A statewide profile is also available as a companion report.

**Methods for Estimating County-level Prevalence Rates.** In order to derive current county level estimates for substance use, abuse and need for treatment from the statewide survey, it was necessary to construct a demographically specified population matrix for each county against which the statewide survey-based rates could be applied. The population matrix contained counts of persons in all groups defined by age, sex, race, marital status, high school graduation, poverty status (at or below 200% of the Federal Poverty Level), and residence type. The population groups were developed from 1990 U. S. decennial census data and updated with current estimates for age, sex, and race from DSHS. All annual estimated and forecasted population figures are adjusted to match official Washington State population figures from the Office of Financial Management.

The substance use variables from the WANAHS were analyzed by the demographic variables listed above. Logistic regression models estimated rates for each cell in the demographic matrix. Differences

between counties in estimated rates of substance abuse result from the demography of the county. For example, counties with higher proportions of young adults will have higher rates of current substance use than counties with lower proportions of young adults, because young adults are more likely to be using substances. Similarly, since married persons are less likely to report substance use, a county with more married people will have a lower estimate of need. Details for this method, often referred to as synthetic estimation, are provided in a more comprehensive on-line report.

### ***Measures of Substance Use, Substance Use Disorder, and Need for Treatment***

The WANAHS obtained measures of use and abuse for many different substances. Those have been presented in previous DASA reports. Some of those measures are also reported here in Tables 2 and 3. Note that tobacco use was not included in the survey. Basic measures of use include having: a) ever used a substance (lifetime use), b) used a substance in the past 12 months (past 18 months for alcohol), and c) used a substance in the past 30 days (current). In addition, the household survey incorporated items and scales from the widely used Diagnostic Interview Schedule (DIS) to assess the substance-related diagnoses of the American Psychiatric Association's Diagnostic and Statistical Manual, Third Edition - Revised (DSM-III-R). Lifetime and past 18 month measures of substance abuse and substance dependence were obtained. Table 1 shows the symptom constructs which are part of the DSM-III-R diagnoses of substance abuse and dependence. Although there have been some changes in the diagnostic criteria with the release of DSM-IV, those are unlikely to greatly affect the present findings.

**Table 1. DSM III-R Symptoms of Substance Dependence**

Three or more of the following:

1. Substance is often taken in larger amounts or over a longer period than the person intended.
2. Persistent desire or one or more unsuccessful attempts to cut down or control substance use.
3. Great deal of time spent in activities necessary to get the substance, taking the substance or recovering from its effects.
4. Frequent intoxication or withdrawal when expected to fulfill major role obligations or when use is physically hazardous.
5. Important social, occupational or recreational activities given up or reduced because of substance use.
6. Continued use despite knowledge of having a persistent or recurrent social, psychological or physical problem.
7. Marked tolerance or markedly diminished effect with continued use of same amount.
8. Characteristic withdrawal symptoms.
9. Substance often taken to relieve or avoid withdrawal symptoms.

Specific assessment criteria for several measures of problem use are presented below:

**DSM-III-R Lifetime Dependence:** A person is diagnosed with lifetime dependence if:

1. they have ever had three or more symptoms of dependence, and
2. at least two of those symptoms lasted a month or more or occurred repeatedly over a longer period of time.

**DSM-III-R Lifetime Abuse:** A person is diagnosed with lifetime abuse if:

1. they do not have a lifetime diagnosis of substance dependence;
2. they have ever continued substance use despite having recurrent social, occupational, psychological or physical problems exacerbated by it OR used repeatedly in situations where use is physically hazardous (determined from a subset of questions used to assess dependence symptoms); and
3. at least one symptom lasted a month or more or occurred repeatedly over a longer period of time.

**Past 18 Month Substance Use Disorder:** A person is diagnosed with a past 18 month substance use disorder if:

1. they have a diagnosis of lifetime dependence or abuse;
2. they have used a substance in the last 18 months, and
3. they have experienced a DSM-III-R abuse or dependence symptom in the last 18 months.

**Past Year Need for Treatment:** A respondent needs treatment during the past year if:

1. they have a past 18 month substance use disorder; OR,
2. they "ever had a problem or felt addicted to alcohol or drugs" AND used alcohol or drugs regularly during the past 18 months (i.e. they drank an average of 3 drinks per drinking day at least once per week OR they used marijuana 50 times or more OR they used any other illicit drug 11 times or more); OR,
3. they have received licensed residential or outpatient treatment services during the past 12 months; OR,
4. they have maintained a very high level of alcohol or drug use during the past 18 months (i.e. they drank an average of 4 drinks per drinking day at least 3 to 4 times per week OR they used any illicit drug 50 times or more).

### ***Population Groups for Analysis***

Overall prevalence estimates for the various measures of substance use, disorder, and need for treatment in Table 2 and the demographically-specific estimates of treatment need in Table 3 are given for three primary populations of interest:

- **entire adult population** (age 18+) including those living in households, institutions (prisons, hospitals, and nursing homes) and group quarters (military barracks, college dorms, shelters). Residential setting is defined according to the U.S. Bureau of the Census definition. The estimates for this population are based on WANAHS survey rates, except that for the institutional population, particularly those in prison, the rates in the WANAHS survey have been inflated beyond the rates for corresponding demographic cell in the household population to compensate for higher rates in these institutional populations.
- **adult population living in households** regardless of poverty status. Estimates for this column come directly from the WANAHS.
- **adult population living in households and living at or below 200% of the Federal Poverty Level (FPL)**. Estimates for this population are based on a subset of survey respondents living at or below 200% of the federal poverty guidelines which approximates people potentially eligible for publicly funded treatment services. The proportion of persons in poverty is not updated from the 1990 census data but is adjusted with changes in age, sex, and race.

### ***Estimates of Substance Use, Disorder, and Need for Treatment***

Table 2 presents current, one-year, and lifetime estimates for a variety of alcohol and drug measures. Within each of the columns is a presentation of the estimated number of cases and percent (the rate per 100) of adults estimated to be in need. The population base or denominators for the percentages can be found in the Total row of Table 3.

**Table 2. Estimates of Substance Use, Disorder, and Service Need  
for 1998 for Island County**

	Entire Adult Population*		Adult Household Residents		Adults at or below 200% of Poverty	
	Cases	Rate	Cases	Rate	Cases	Rate
<b>Need for treatment</b>						
Current Need for Substance Treatment	5,458	10.1	4,724	9.2	1,295	11.6
<b>Alcohol or Drug disorder</b>	Cases	Rate	Cases	Rate	Cases	Rate
Lifetime Alcohol or Drug Use Disorder	7,835	14.5	6,995	13.7	1,831	16.3
Past 18-Month Alcohol or Drug Use Disorder	4,037	7.5	3,467	6.8	930	8.3
<b>Alcohol disorder</b>	Cases	Rate	Cases	Rate	Cases	Rate
Lifetime Alcohol Use Disorder	6,594	12.2	5,873	11.5	1,413	12.6
Past 18-Month Alcohol Use Disorder	3,760	7.0	3,240	6.3	795	7.1
<b>Drug disorder</b>	Cases	Rate	Cases	Rate	Cases	Rate
Lifetime Drug Use Disorder	2,553	4.7	2,292	4.5	784	7.0
Past 18-Month Drug Use Disorder	1,011	1.9	853	1.7	349	3.1
<b>Alcohol use</b>	Cases	Rate	Cases	Rate	Cases	Rate
Lifetime Use of Alcohol	49,959	92.7	47,361	92.5	9,904	88.4
Past 18-Month Use of Alcohol	39,139	72.6	37,013	72.3	6,815	60.8
Past 30-Day Use of Alcohol	30,704	56.9	28,977	56.6	5,103	45.5
<b>Use of any drug</b>	Cases	Rate	Cases	Rate	Cases	Rate
Lifetime Use of Any Illicit Drug	21,634	40.1	19,921	38.9	4,660	41.6
Past 12-Month Use of Any Illicit Drug	5,058	9.4	4,355	8.5	1,199	10.7
Past 30-Day Use of Any Illicit Drug	2,693	5.0	2,230	4.4	764	6.8
<b>Marijuana use</b>	Cases	Rate	Cases	Rate	Cases	Rate
Lifetime Use of Marijuana	20,831	38.6	19,193	37.5	4,470	39.9
Past 12-Month Use of Marijuana	4,685	8.7	4,025	7.9	1,079	9.6
Past 30-Day Use of Marijuana	2,602	4.8	2,152	4.2	699	6.2
<b>Stimulant use</b>	Cases	Rate	Cases	Rate	Cases	Rate
Lifetime Use of Stimulants	9,247	17.1	8,327	16.3	2,472	22.1
Past 12-Month Use of Stimulants	1,063	2.0	888	1.7	325	2.9
Past 30-Day Use of Stimulants	475	0.9	417	0.8	103	0.9
<b>Cocaine use</b>	Cases	Rate	Cases	Rate	Cases	Rate
Lifetime Use of Cocaine	6,876	12.8	6,221	12.2	1,522	13.6
Past 12-Month Use of Cocaine	869	1.6	672	1.3	258	2.3
Past 30-Day Use of Cocaine	294	0.5	255	0.5	69	0.6

\* Includes institutions and group quarters

### ***Estimates of Current Need for Substance Abuse Services***

Table 3 presents estimates of the prevalence of current need for substance abuse services by demographics. As in the previous table, the columns correspond to the total adult population, the household adult population, and adults in households at or below 200% of the Federal Poverty Level. These have current need estimates of 10.1%, 9.2%, and 11.6%, respectively. As can be seen, there is

substantial demographic variability in the estimated rates with higher estimates of need for: younger persons, men, American Indian or Alaskan Natives and Whites, those never married, high school graduates, and those living at or below 200% of poverty. Estimates are also higher for those in institutions and group quarters.

**Table 3. Estimates of Current Need for Substance Abuse Treatment for Island County for 1998**

	Entire Adult Population*			Adult Household Residents			Adults at or below 200% Poverty		
Group	Cases	Pop	Rate	Cases	Pop	Rate	Cases	Pop	Rate
Total	5,458	53,918	10.1	4,724	51,178	9.2	1,295	11,210	11.6
Age	Cases	Pop	Rate	Cases	Pop	Rate	Cases	Pop	Rate
01-17	Not Available			Not Available			Not Available		
18-24	2,075	7,747	26.8	1,596	6,334	25.2	516	2,169	23.8
25-44	2,532	21,214	11.9	2,285	20,059	11.4	639	5,087	12.6
45-64	661	14,523	4.5	657	14,491	4.5	108	1,838	5.9
65+	191	10,434	1.8	186	10,294	1.8	33	2,116	1.5
Sex	Cases	Pop	Rate	Cases	Pop	Rate	Cases	Pop	Rate
Male	3,923	27,962	14.0	3,213	25,487	12.6	850	4,813	17.7
Female	1,536	25,956	5.9	1,511	25,691	5.9	445	6,397	7.0
Ethnicity	Cases	Pop	Rate	Cases	Pop	Rate	Cases	Pop	Rate
White-NH	5,048	47,786	10.6	4,412	45,668	9.7	1,178	9,623	12.2
Black-NH	121	1,319	9.2	78	1,028	7.6	30	306	9.7
Asian	59	2,661	2.2	49	2,557	1.9	13	637	2.1
Native Am.**	79	393	20.2	72	376	19.3	32	148	21.6
Hispanic	151	1,758	8.6	113	1,550	7.3	43	496	8.6
Marital	Cases	Pop	Rate	Cases	Pop	Rate	Cases	Pop	Rate
Married	2,662	38,915	6.8	2,486	37,826	6.6	593	6,539	9.1
Div/Sep/Wid	931	7,985	11.7	855	7,642	11.2	305	2,934	10.4
Never Mar	1,865	7,018	26.6	1,383	5,710	24.2	397	1,737	22.8
Education	Cases	Pop	Rate	Cases	Pop	Rate	Cases	Pop	Rate
Not HS Grad	664	6,910	9.6	628	6,658	9.4	146	2,344	6.2
HS Graduate	4,794	47,008	10.2	4,096	44,520	9.2	1,149	8,866	13.0
Poverty	Cases	Pop	Rate	Cases	Pop	Rate	Cases	Pop	Rate
Below 200%	2,014	13,837	14.6	1,295	11,210	11.6	1,295	11,210	11.6
Above 200%	3,444	40,081	8.6	3,428	39,969	8.6	0	0	.
Residence	Cases	Pop	Rate	Cases	Pop	Rate	Cases	Pop	Rate
Residential	4,724	51,178	9.2	476,931	51,178	931.9	1,295	11,210	11.6
Institutional	80	245	32.8	.	0	.	0	0	.
Group quarters	654	2,495	26.2	.	0	.	0	0	.

\* Includes institutions and group quarters

\*\* American Indian or Alaskan Native.



## ***Treatment Assessment Report Generation Tool***

The Division of Alcohol and Substance Abuse maintains a database of services provided under its programs. This is called the Treatment Assessment Report Generation Tool (TARGET). Reporting is required for treatment agencies providing public sector contracted or funded treatment services and optional for private pay individuals served. Thus TARGET includes data on services provided by or funded by DASA. Although sometimes included in TARGET, we did not report services funded by private payment, or private insurance, or services provided by private practitioners or detoxification provided as part of a medical admission. TARGET information collection is based on establishing a baseline at admission to treatment and capturing/identifying changes to that baseline upon discharge thus providing information on progress during treatment.

The present report draws from services data in TARGET provided to the non-institutionalized population during the five-year period from 1994 through 1998. DASA services provided to prisoners through the Department of Corrections are not included in this report. The services are summarized in three types of units designated: clients, admissions, and volume.

\* *Clients* designates the number of persons who have received DASA services within the year for each of the reported categories. These counts are unduplicated such that a person only counts once for a reported type of service even if they have received multiple instances of service within that type.

\* *Admissions (admits)* designates the number of identified admissions to programs within a type, and can be duplicated for an individual if that person is readmitted to the same service or is admitted to a different service within the same reporting category. When a person is admitted once for services spanning the end of a year, the admission is credited proportionally to both years. Thus a person admitted on December 1 and discharged on January 31 would be counted as having half an admission in each year.

\* *Volume* is a measure of contacts. For inpatient and residential services the unit of volume is the day. A day is credited for each whole or partial day in the program. A person admitted today and discharged tomorrow would count as having two days in the program. For outpatient programs the unit of volume is the contact/visit. Thus a person who had individual therapy on Monday and Friday of a week would be credited with two visits, as would a person having an individual and a group therapy visit on the same day.

We have provided summaries of service usage in two categorizations. The primary categories for reporting services are by the modality indicated on the admission record. These include a number of specific modalities such as "intensive inpatient", and "long term residential." These detailed modalities are summarized into 1) inpatient, 2) outpatient, 3) methadone and 4) total, for most tables. In addition to summaries by modality, we have provided summaries by specific type of activity within the outpatient and methadone modalities. Although not included in the summaries above, we have also included "detox," "transitional housing," and "dual diagnosis" tabulations under the category "supportive interventions."

## **Service Trends from TARGET Database**

Table 4 presents the service summary trends for the time period from 1994 to 1998. It includes inpatient, outpatient, methadone, and total. Generally, patterns are consistent over time with some suggestion of decreased inpatient usage over time.

<b>Table 4. Service Trends for 1994-1998 for Island County</b>					
<b>Clients</b>	<b>1994</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>1998</b>
Inpatient Summary	56	66	78	62	61
Outpatient Summary	152	190	211	212	242
Methadone Summary	3	5	2	1	1
Total (Inpatient,Outpatient,Methadone)	191	237	258	249	279
<b>Admits</b>	<b>1994</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>1998</b>
Inpatient Summary	61	69	85	65	66
Outpatient Summary	150	143	190	181	238
Methadone Summary	5	4	0	0	0
Total (Inpatient,Outpatient,Methadone)	216	216	275	246	304
<b>Volume</b>	<b>1994</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>1998</b>
Inpatient summary - days	2,112	2,317	3,504	2,663	2,865
Outpatient summary - services	2,656	3,273	4,060	3,706	4,087
Methadone summary - services	79	243	321	112	239

Note: Total service volume is omitted because it would mix days and services.

## **Service Use by Modality and Activity**

Table 5 presents the detailed breakout of service utilization by modality and activity. Specifically, within inpatient, outpatient, and methadone modalities, specific service activities are identified. For each modality and activity the number of clients, number of admissions, and service volumes are presented. The average volume per admission is also presented.

**Table 5. Service Use by Modality and Activity for 1998 for Island County**

SERVICE SUMMARIES	Clients	Admissions	Volume	Volume/Adm.
Inpatient Summary	61	66	2,865	43.4
Outpatient Summary	242	238	4,087	17.2
Methadone Summary	1	0	239	.
Any Treatment	279	304	Not appl.	Not appl.
INPATIENT	Clients	Admissions	Volume	Volume/Adm.
II -Intensive Inpatient	34	34	866	25.5
LT -Long Term Residential	16	14	915	65.4
MR -MICA Residential	4	3	216	72.0
EC -Extended Care	8	8	569	71.1
RH -Recovery House	8	7	299	42.7
OUTPATIENT MODALITY	Clients	Admissions	Volume	Volume/Adm.
MO -MICA Outpatient	0	0	0	.
GC -Group Care	0	0	0	.
OP -Outpatient	242	238	4,087	17.2
METHADONE MODALITY	Clients	Admissions	Volume	Volume/Adm.
MT -Methadone Rx	1	0	239	.
OUTPATIENT ACTIVITY	Clients	Admissions	Volume	Volume/Adm.
OP-I Individual	151	134	370	2.8
OP-G Group	231	216	3,717	17.2
OP-J Conjoint - Family with Client	0	0	0	.
OP-F Family without Client	0	0	0	.
OP-C Childcare	0	0	0	.
OP-M Case Management	0	0	0	.
OP-A Acupuncture	0	0	0	.
OP-U Urinalysis	0	0	0	.
METHADONE ACTIVITY	Clients	Admissions	Volume	Volume/Adm.
MT-I Individual	1	0	18	87.0
MT-G Group	1	0	105	290.0
MT-J Conjoint - Family with Client	0	0	0	.
MT-F Family without Client	0	0	0	.
MT-C Childcare	0	0	0	.
MT-M Case Management	0	0	0	.
MT-A Acupuncture	1	0	100	265.0
MT-R Methadone Adjustment	1	0	4	12.0
MT-U Urinalysis	1	0	12	54.0
SUPPORTIVE INTERVENTIONS (Not in Summary)	Clients	Admissions	Volume	Volume/Adm.
DX -Detox	32	36	130	3.6
TH -Transitional Housing	0	0	0	.
DD -Dual Diagnosis	2	2	60	30.0

## Service Use by Demographics

The next two tables present service summaries for modalities by demographics. Table 6 presents summaries for inpatient and outpatient services. Table 7 presents summaries for methadone and total substance abuse services.

**Table 6. Inpatient and Outpatient Substance Abuse Services  
by Demographics for 1998 for Island County**

St/Co total	Inpatient			Outpatient		
	Clients	Admissions	Volume*	Clients	Admissions	Volume*
Total	61	66	2,865	242	238	4,087
Age	Clients	Admissions	Volume*	Clients	Admissions	Volume*
0-17	9	9	295	43	47	349
18-24	9	12	446	31	31	459
25-44	37	38	1,851	135	132	2,713
45-64	6	7	273	33	28	566
65+	0	0	0	0	0	0
Sex	Clients	Admissions	Volume*	Clients	Admissions	Volume*
Male	36	42	1,938	152	147	2,526
Female	25	24	927	90	91	1,561
Race/ethnicity	Clients	Admissions	Volume*	Clients	Admissions	Volume*
White-NH	56	61	2,668	209	203	3,554
Black-NH	2	2	82	9	7	193
Asian	1	1	92	2	6	36
Native Am	0	0	0	8	9	162
Hispanic	2	2	23	14	13	142
Marital status	Clients	Admissions	Volume*	Clients	Admissions	Volume*
Married	1	1	22	24	18	442
Sep/Wid/Div	28	28	1,118	104	103	1,850
Single	32	37	1,725	114	117	1,795
Education	Clients	Admissions	Volume*	Clients	Admissions	Volume*
Not HS Grad	25	27	1,091	123	123	1,747
H.S. Graduate	36	39	1,774	119	115	2,340
Household income	Clients	Admissions	Volume*	Clients	Admissions	Volume*
0-1500/mo	60	65	2,836	224	223	3,688
1501-5000	1	1	29	16	13	352
5001+	0	0	0	2	2	47
Residence	Clients	Admissions	Volume*	Clients	Admissions	Volume*
Household	50	53	2,006	228	226	3,921
Institutional	4	5	368	0	0	0
Group quarters	7	8	491	14	12	166

\* Inpatient volume is days. Outpatient volume is service contacts.

\*\* American Indian or Alaskan Native.

**Table 7. Methadone and Total Substance Abuse Services  
by Demographics for 1998 for Island County**

St/Co total	Methadone			Total (In/Out/Meth)		
	Clients	Admissions	Volume*	Clients	Admissions	Volume*
Total	1	0	239	279	304	Not appl.
Age	Clients	Admissions	Volume*	Clients	Admissions	Volume*
0-17	0	0	0	46	56	Not appl.
18-24	0	0	0	38	43	Not appl.
25-44	0	0	0	156	170	Not appl.
45-64	1	0	239	39	35	Not appl.
65+	0	0	0	0	0	Not appl.
Sex	Clients	Admissions	Volume*	Clients	Admissions	Volume*
Male	0	0	0	175	189	Not appl.
Female	1	0	239	104	115	Not appl.
Race/ethnicity	Clients	Admissions	Volume*	Clients	Admissions	Volume*
White-NH	1	0	239	245	264	Not appl.
Black-NH	0	0	0	9	9	Not appl.
Asian	0	0	0	3	7	Not appl.
Native Am	0	0	0	8	9	Not appl.
Hispanic	0	0	0	14	15	Not appl.
Marital status	Clients	Admissions	Volume*	Clients	Admissions	Volume*
Married	0	0	0	24	19	Not appl.
Sep/Wid/Div	1	0	239	121	131	Not appl.
Single	0	0	0	134	154	Not appl.
Education	Clients	Admissions	Volume*	Clients	Admissions	Volume*
Not HS Grad	0	0	0	132	150	Not appl.
H.S. Graduate	1	0	239	147	154	Not appl.
Household income	Clients	Admissions	Volume*	Clients	Admissions	Volume*
0-1500/mo	1	0	239	261	288	Not appl.
1501-5000	0	0	0	16	14	Not appl.
5001+	0	0	0	2	2	Not appl.
Residence	Clients	Admissions	Volume*	Clients	Admissions	Volume*
Household	1	0	239	255	279	Not appl.
Institutional	0	0	0	4	5	Not appl.
Group quarters	0	0	0	20	20	Not appl.

\* Methadone volume is service contacts. No volume is provided for Total.

\*\* American Indian or Alaskan Native.

### ***Comparisons of Need and Services Funded through DASA***

The last analysis presented in this report is a comparison of rates of estimated need for services with rates of utilization of services. This comparison of use to need, in which the number of persons being served is presented as a percentage of the number of persons estimated to be in need, is called *met need*. To the extent that met need falls short of 100%, the shortfall is called *unmet need*.

This comparison is presented in Table 8 to facilitate identification of populations which are using fewer services than would be expected from the estimated need. Statewide, the use to need rate tends to run around 20%, suggesting a rather large amount of unmet need for treatment. However, the services identified in this comparison are only from the public sector. It is reasonable to expect that the private sector, either through insurance or self-pay, would meet some additional proportion of the estimated need. On the other hand, the estimates of need used in the comparison came only from households at or below 200% of the poverty level, who may lack any alternative to public services.

The comparisons show that some groups have less unmet need than others. This occurs in part because some populations are more likely to seek treatment than others and some programs may be better in their outreach to some populations than others. The differences may also be the result of the true local rate of need being greater or less than the estimates provided.

**Table 8. Rates of Current Need for Treatment, Use of DASA Treatment Services, and Ratio of Use to Need by Demographics for Island County Adults Living in Households, 1998**

	<b>At or below 200% of Poverty</b>			<b>DASA Target Clients</b>		<b>Need Met by DASA(%)</b>
	Population	Treatment Need	Need/Pop	Clients	Use/Pop	Use/Need
<b>Total</b>	11,210	1,295	11.6	209	1.9	16.1
<b>Age</b>	Population	Treatment Need	Need/Pop	Clients	Use/Pop	Use/Need
18-24	2,169	516	23.8	33	1.5	6.4
25-44	5,087	639	12.6	142	2.8	22.2
45-64	1,838	108	5.9	34	1.8	31.6
65+	2,116	33	1.5	0	0.0	0.0
<b>Sex</b>	Population	Treatment Need	Need/Pop	Clients	Use/Pop	Use/Need
Male	4,813	850	17.7	124	2.6	14.6
Female	6,397	445	7.0	85	1.3	19.1
<b>Race/ethnicity</b>	Population	Treatment Need	Need/Pop	Clients	Use/Pop	Use/Need
White-NH	9,623	1,178	12.2	182	1.9	15.5
Black-NH	306	30	9.7	8	2.6	26.9
Asian	637	13	2.1	3	0.5	22.7
Native Am.*	148	32	21.6	7	4.7	21.9
Hispanic	496	43	8.6	9	1.8	21.1
<b>Marital</b>	Population	Treatment Need	Need/Pop	Clients	Use/Pop	Use/Need
Married	6,539	593	9.1	22	0.3	3.7
Sep/Wid/Div	2,934	305	10.4	111	3.8	36.4
Single	1,737	397	22.8	76	4.4	19.2
<b>Education</b>	Population	Treatment Need	Need/Pop	Clients	Use/Pop	Use/Need
Below HS	2,344	146	6.2	85	3.6	58.1
HS Grad	8,866	1,149	13.0	124	1.4	10.8

\* American Indian or Alaskan Native.

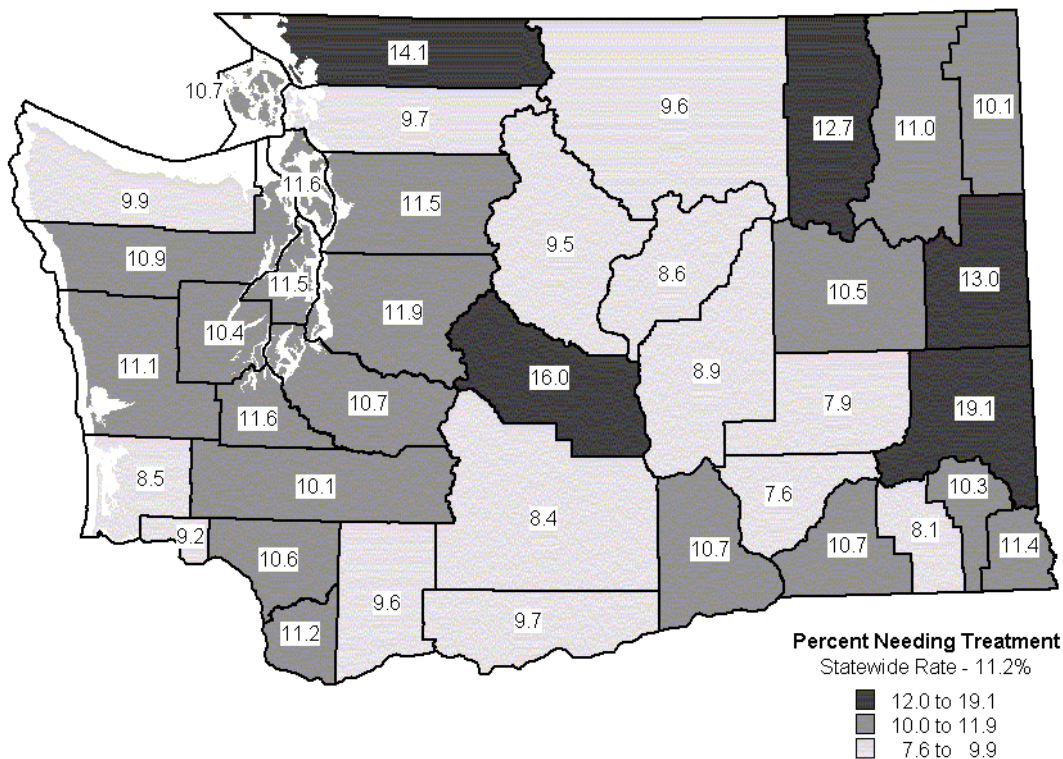
Table 9 presents the trends in the relationship between estimated need for services by adults at or below 200% of poverty and the utilization of services by services eligible adults. Youth below age 18 were not included in these comparisons because they were not included in the WANAHS survey. Although the estimated numbers in need of services change with fluctuations in the population, the overall rates of need remain relatively stable in most counties. There is somewhat more variation over time in the reported use of services and consequently in the use to need ratio.

**Table 9. Rates of Current Need for Treatment, Use of DASA Treatment Services, and Ratio of Use to Need for Island County Adults Living in Households by Year**

	At or below 200% of Poverty			DASA Clients		Need Met by DASA(%)
	Population	Treatment Need	Need/Pop	Clients	Use/Pop	Use/Need
Adults-1994	10,572	1,240	11.7	99	0.9	8.0
Adults-1995	10,741	1,251	11.6	139	1.3	11.1
Adults-1996	10,915	1,264	11.6	182	1.7	14.4
Adults-1997	11,085	1,283	11.6	180	1.6	14.0
Adults-1998	11,210	1,295	11.6	209	1.9	16.1

The distribution of estimated current need for substance treatment, treatment provided by DASA, and the percentage of need met by DASA are presented in the following maps for the year 1998. These estimates are for the adult population in households and are based on the demographic composition of the counties.

**Current Need for Substance Abuse Treatment Services  
Among Adults Living in Households At or Below 200% FPL, 1998**





**Percent Using Treatment**  
Statewide Rate - 2.1%

County	Percent Using Treatment
Adams	2.4
Asotin	4.4
Benton	3.0
Burrton	3.5
Columbia	3.3
Cowlitz	1.5
Douglas	2.8
Franklin	1.9
Gilliam	2.0
Grant	2.4
Harney	1.2
Hood River	1.6
Jefferson	1.6
Klamath	1.9
Linn	1.8
Lincoln	2.0
Lewis	1.3
Morrow	1.5
Multnomah	1.5
Polk	0.8
Wasco	2.3
Walla Walla	2.0
Wahkiakum	4.0
Walla Walla	2.3
Walla Walla	1.8
Walla Walla	2.7
Walla Walla	3.3
Walla Walla	2.1
Walla Walla	2.0
Walla Walla	2.0
Walla Walla	4.7
Walla Walla	3.0
Walla Walla	2.7

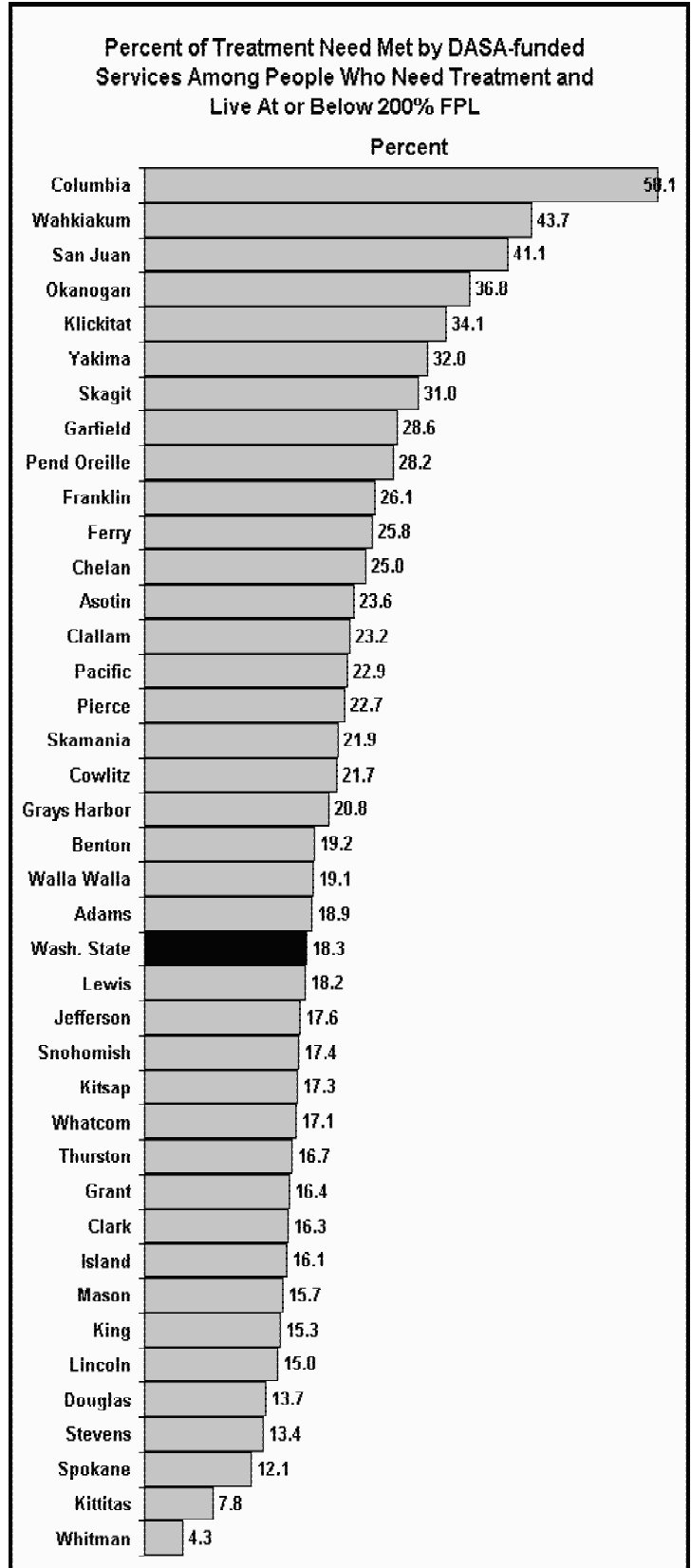
**Percent of Need Met**  
 Statewide Ratio - 18.3%

County	Percent of Need Met
Adams	17.1
Allen	31.0
Anderson	36.8
Ashtabula	25.8
Ashland	13.4
Aurora	28.2
Baldwin	13.7
Bell	15.0
Berkeley	12.1
Bethesda	4.3
Bethesda Heights	28.6
Bethesda Heights	23.6
Bethesda Heights	19.1
Bethesda Heights	58.1
Bethesda Heights	26.1
Bethesda Heights	19.2
Bethesda Heights	34.1
Bethesda Heights	21.9
Bethesda Heights	16.3
Bethesda Heights	21.7
Bethesda Heights	43.7
Bethesda Heights	22.9
Bethesda Heights	16.7
Bethesda Heights	18.2
Bethesda Heights	22.7
Bethesda Heights	15.3
Bethesda Heights	17.3
Bethesda Heights	15.7
Bethesda Heights	17.6
Bethesda Heights	20.8
Bethesda Heights	23.2
Bethesda Heights	41.1
Bethesda Heights	16.1
Bethesda Heights	17.4
Bethesda Heights	25.0
Bethesda Heights	7.8
Bethesda Heights	16.4
Bethesda Heights	18.9
Bethesda Heights	32.0



**Table 10. Rates of Current Need for Treatment, Use of DASA Treatment, and Ratio of Use to Current Need by County for Washington State Adults Living in Households at or Below 200% FPL, 1998**

County	Adults Living At or Below 200% FPL					
	Total	Need Treatment		Use DASA Treatment		Use/Need Percent
		Number	% of Total	Number	% of Total	
Wash. State	962,573	107,823	11.2	19,755	2.1	18.3
Adams	4,534	359	7.9	68	1.5	18.9
Asotin	4,340	496	11.4	117	2.7	23.6
Benton	23,549	2,528	10.7	486	2.1	19.2
Chelan	15,250	1,450	9.5	363	2.4	25.0
Clallam	14,071	1,398	9.9	325	2.3	23.2
Clark	53,015	5,939	11.2	969	1.8	16.3
Columbia	1,190	96	8.1	56	4.7	58.1
Cowlitz	19,047	2,011	10.6	437	2.3	21.7
Douglas	7,331	630	8.6	86	1.2	13.7
Ferry	2,024	256	12.7	66	3.3	25.8
Franklin	13,390	1,012	7.6	264	2.0	26.1
Garfield	508	52	10.3	15	3.0	28.6
Grant	20,624	1,843	8.9	303	1.5	16.4
Grays Harbor	16,915	1,874	11.1	389	2.3	20.8
Island	11,210	1,295	11.6	209	1.9	16.1
Jefferson	6,200	677	10.9	119	1.9	17.6
King	212,311	25,212	11.9	3,845	1.8	15.3
Kitsap	31,264	3,587	11.5	620	2.0	17.3
Kittitas	8,593	1,379	16.0	108	1.3	7.8
Klickitat	5,248	508	9.7	173	3.3	34.1
Lewis	16,604	1,685	10.1	307	1.8	18.2
Lincoln	2,408	253	10.5	38	1.6	15.0
Mason	9,902	1,029	10.4	161	1.6	15.7
Okanogan	12,441	1,196	9.6	440	3.5	36.8
Pacific	6,292	538	8.5	123	2.0	22.9
Pend Oreille	3,160	319	10.1	90	2.8	28.2
Pierce	110,913	11,884	10.7	2,695	2.4	22.7
San Juan	1,905	204	10.7	84	4.4	41.1
Skagit	17,191	1,672	9.7	519	3.0	31.0
Skamania	2,323	224	9.6	49	2.1	21.9
Snohomish	66,860	7,657	11.5	1,335	2.0	17.4
Spokane	86,087	11,150	13.0	1,346	1.6	12.1
Stevens	9,833	1,083	11.0	145	1.5	13.4
Thurston	32,352	3,759	11.6	626	1.9	16.7
Wahkiakum	870	80	9.2	35	4.0	43.7
Walla Walla	11,174	1,195	10.7	228	2.0	19.1
Whatcom	29,796	4,201	14.1	718	2.4	17.1
Whitman	10,062	1,925	19.1	83	0.8	4.3
Yakima	61,787	5,166	8.4	1,652	2.7	32.0



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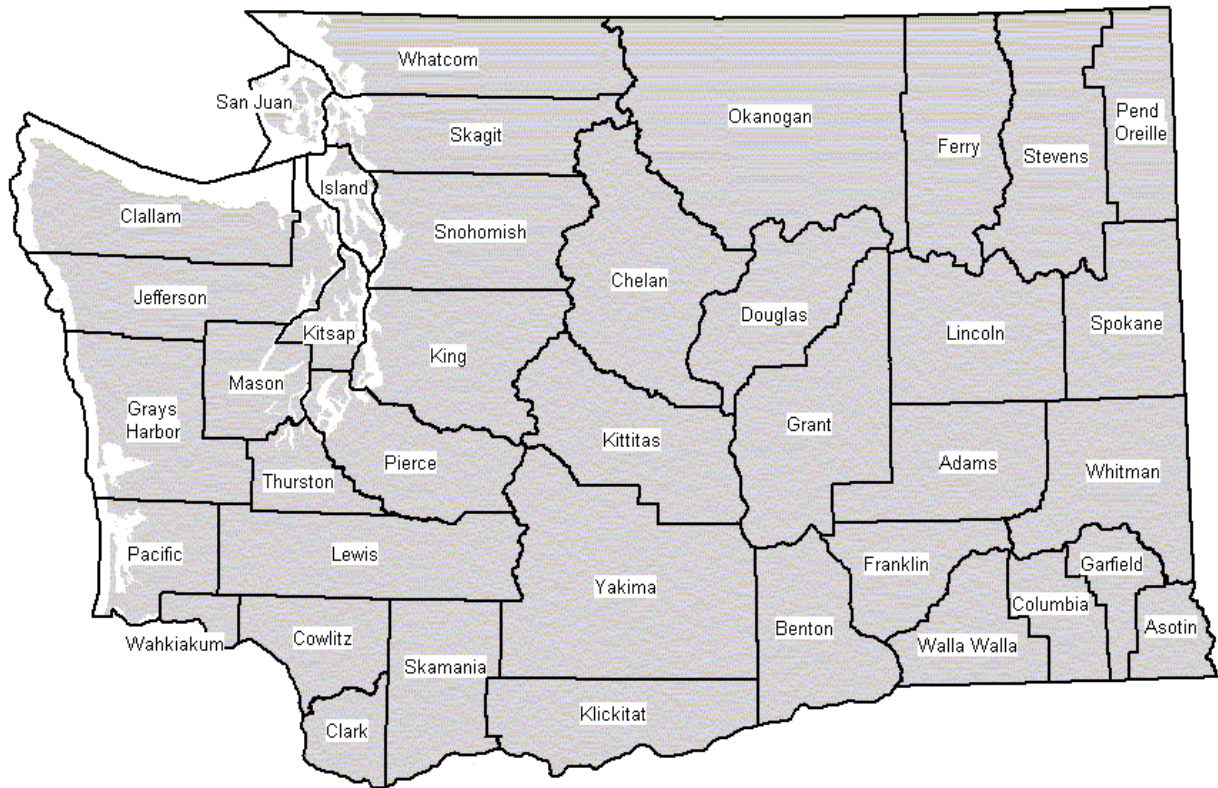
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